

SPECIFICATION

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Identifier: Erich HARSCH, et al.

Abstract

The invention relates to an articulated arm transport device (11-14) which is especially provided for the automation of large component transfer presses. Said articulated arm transport device is characterized by a kinematics and design that do not require any additional clearance between the press rams (3) and pillars (7-10) and that permit an introduction or extraction of workpieces even with a small clearance between the upper and lower tool (3, 5). The articulated arm transport device is mounted above the workpiece transport plane on the press stands. The articulated arm part (20) linked with the cross-member (17) is shorter than the articulated arm part (19) and makes a pivoting movement (48) substantially above the common pivot (35). A lifting and/or pivoting movement can be carried out by means of controlled lift drives (21, 22) that are functionally linked with transmission means.